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Notice of Allowability	Application No.	Applicant(s)
	09/991,377	GOLBIG ET AL.
	Examiner	Art Unit
	Dwayne K. Handy	1743
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communicati GHTS. This application is subject	application. If not included ion will be mailed in due course. THIS
1. X This communication is responsive to the amendment filed	<u>1/4/2005</u> .	
2. X The allowed claim(s) is/are 1,2,5-16,19-28,31-47,49-81,84-	-87,90-92,94-99,111,112 and 114	<u>-123</u> .
3.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 10/21&10/27/05 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summa Paper No./Mail [8), 7. ☐ Examiner's Amer	Date

Allowable Subject Matter

- 1. Claims 1, 2, 5-16, 19-28, 31-47, 49-81, 84-87, 90-92, 94-99, 111, 112 and 114-123 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:
 Claims 62-75 were deemed allowable in a previous action (mailed 7/1/2004).
 The cited action contains Reasons for Allowance for these claims. Claims 1 and 13 have been amended to recite the Allowable subject matter cited in claim 62.
- 3. The Examiner considers the previously cited reference, Giddings to be the closest prior art. Giddings teaches a stackable device having 3 inlets and 3 outlets. Compounds enter the device through an inlet and flow through a combined pathway. Giddings does not teach the extra pathways and/or elements cited in the allowed claims. The Examiner has allowed claims that recite the elements of Giddings plus either a bypass path, a plurality of separate paths for fluid flow, a cover element, a plurality of heat exchangers, a fluid path for heat exchange medium separate from other paths, and a plurality of holes of differing width and length for controlling fluid flow.
- 4. The list below recites the allowable features of the instant claims.:

 Claim 1 recites two fluid paths, and a plurality of individual reactions units. Each reaction unit is comprised of a mixing chamber, a reactant fluid path, and a bypass fluid path that is in fluid communication with a different reaction unit such that the bypass

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fluid does not flow into the mixing chamber. Claim 13 adds a heat exchanger and fluid path for heat transfer. Claim 76 includes a plurality of heat exchangers, at least one bifurcated fluid channel and a plurality of openings having different widths. Claim 111 adds a cover element having no openings. Claim 112 recites a means for internal parallelization of streams that are not in fluid contact with each other. Claims 114 and 115 recite a heat exchanger that has a separate fluid path for the heat transfer medium. Claim 116 includes the bypass path. Claims 117, 119 and 120 recite the plurality of openings having different widths. Claim 118 recites the bifurcated fluid channel. Claims 121 and 122 recite the bypass path. Claim 123 recites heat exchanger and fluid path for heat transfer.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwayne K. Handy whose telephone number is (571)-272-1259. The examiner can normally be reached on M-F 8:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on (571)-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DKH March 20, 2006 Supervisory Patent Examiner Technology Center 1700

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